WHAT IS CLAIMED IS:

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A green light-emitting phosphor for a display,
 comprising a manganese-activated zinc silicate phosphor and
 being excited by an electron beam whose acceleration voltage
 is 15 kV or less to emit green light,

wherein the manganese-activated zinc silicate phosphor is composed of particles having an average particle size of 1.0 to 2.0 $\mu\text{m}\,.$

- 2. The green light-emitting phosphor for a display as set forth in claim 1, wherein a 50%D value of a particle size distribution that a weight-integrated distribution of a particle size of the manganese-activated zinc silicate phosphor is 50%, is 2.0 to 3.0 μm .
- 3. The green light-emitting phosphor for a display as set forth in claim 2, wherein a ratio of the 50%D value of the particle size distribution to the average particle size of the manganese-activated zinc silicate phosphor is 1.0 to 2.0.
- 4. The green light-emitting phosphor for a display as
 20 set forth in any one of claims 1 through 3, wherein the
 manganese-activated zinc silicate phosphor has an afterglow
 time of 8 ms or less.
 - 5. A field-emission display, comprising:

a phosphor layer including a blue light-emitting phosphor
layer, a green light-emitting phosphor layer and a red
light-emitting phosphor layer;

an electron emitting source which emits an electron beam having an acceleration voltage of 15 kV or less onto the phosphor

layer to make it to emit light; and

an envelope which vacuum-seals the electron emitting source and the phosphor layer,

wherein the green light-emitting phosphor layer includes
the green light-emitting phosphor for a display as set forth
in any one of claims 1 to 4.

6. The field-emission display as set forth in claim 5, wherein the green light-emitting phosphor layer has a thickness of 1 to 10 μm_{\ast}